



Working with Time data

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Roadmap

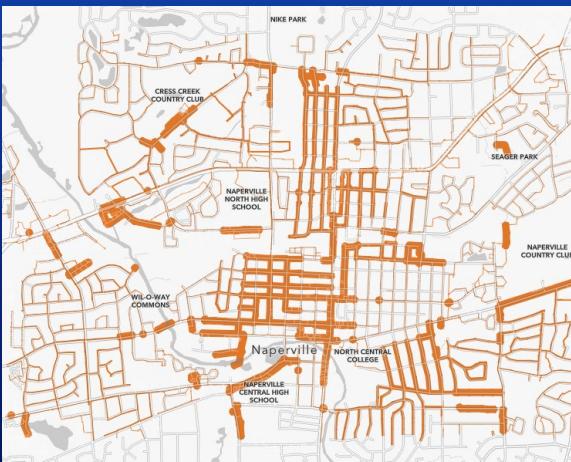
- Visualization Approaches
 - Smart Mapping Drawing Styles
 - Animations
- Demos

Time visualizations of spatial data are tricky

The visualization you create depends on the story you want to tell with the data

Time Visualization Approaches

- Smart Mapping Drawing Styles
 - Available in 4.x Map Viewer Styles options with a time layer
- Examples



<https://webapps.maps.arcgis.com/apps/mapviewer/index.html?webmap=0cbedda132a742a1a95db8b5618b1744>

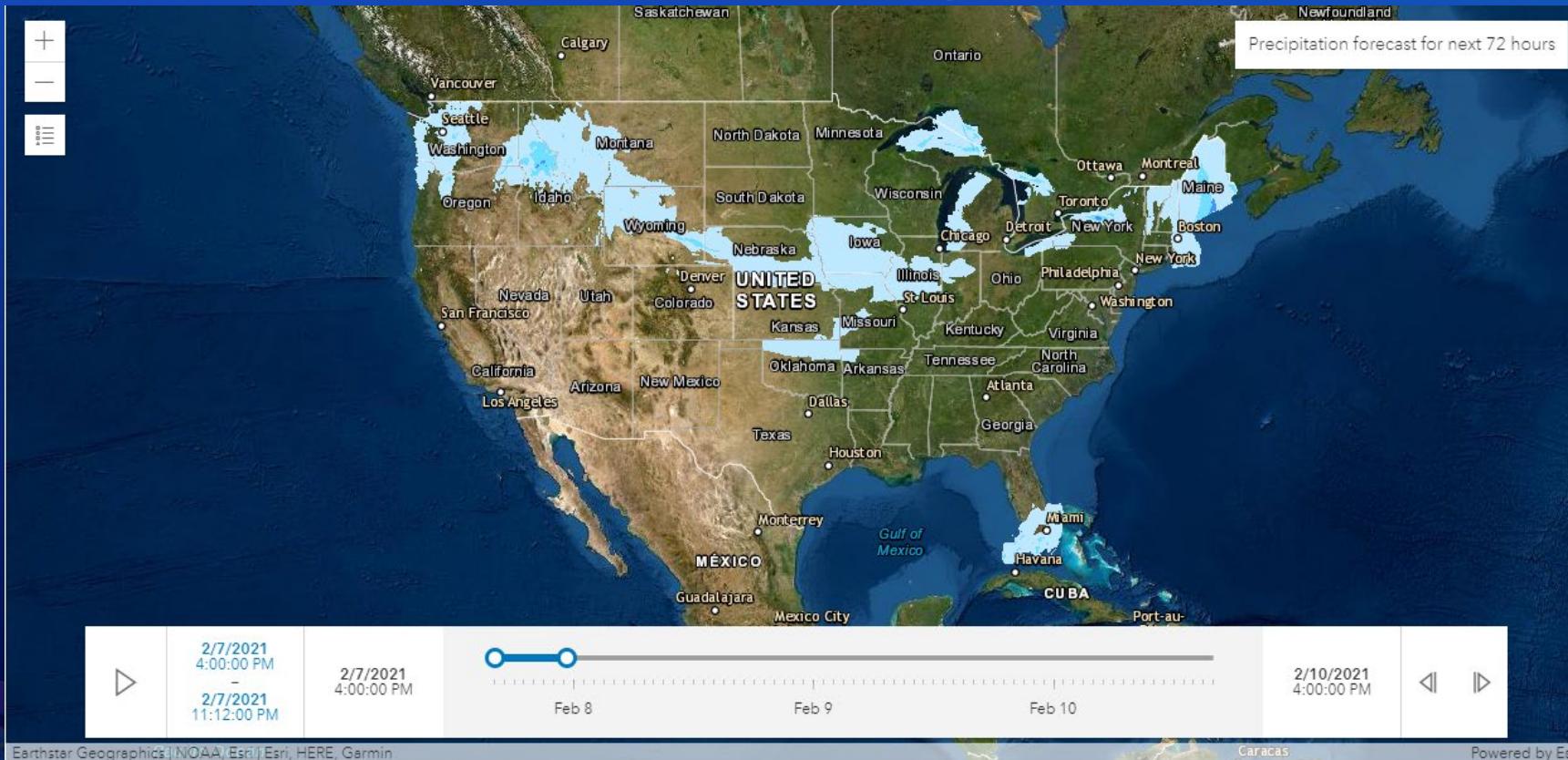


<https://webapps.maps.arcgis.com/apps/mapviewer/index.html?webmap=f0e7b8c27a73418b9136c6948351105a>

Time Visualization Approaches (cont.)

- Time Animations

TimeSlider Widget



<https://developers.arcgis.com/javascript/latest/sample-code/widgets-timeslider/>

Demo – White Nose Syndrome (WNS) in Bats

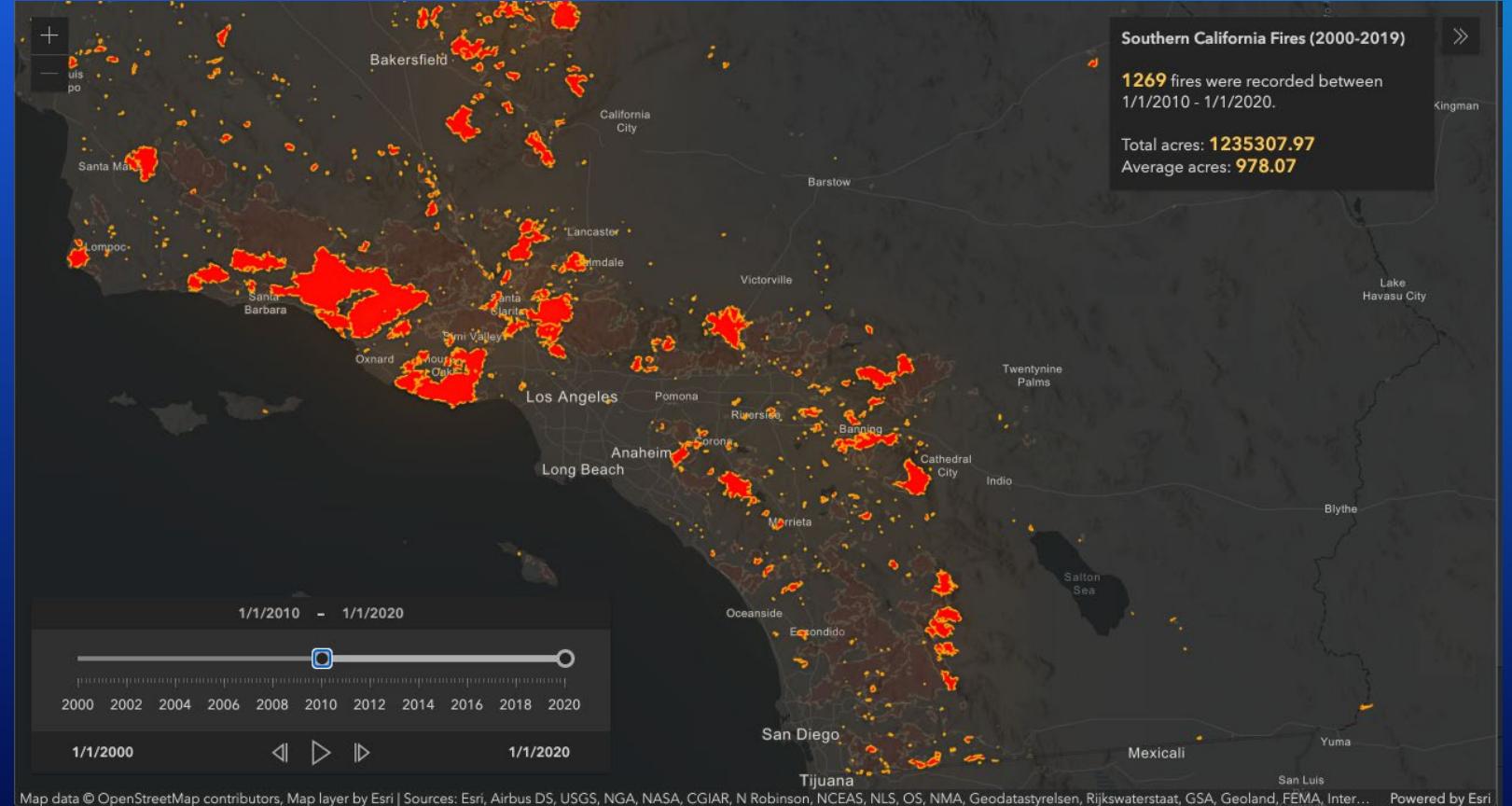
- Originated in Upstate NY in 2007
- Spread throughout the US and Canada
- Fatal, at some sites has killed 90%-100% of bats

- <https://webapps.maps.arcgis.com/apps/mapviewer/index.html?webmap=5a4a29cef5eb43c2b963ec2385cda17c>
- <https://codepen.io/csmith55/pen/GRNNGzr?editors=1000>



Demos – Create apps with time-enabled layers

- Feature layer
- GeoJSON layer
- Time offset app
- Time slider widget
- Filtering features



<https://github.com/bcree11/TimeDemo>

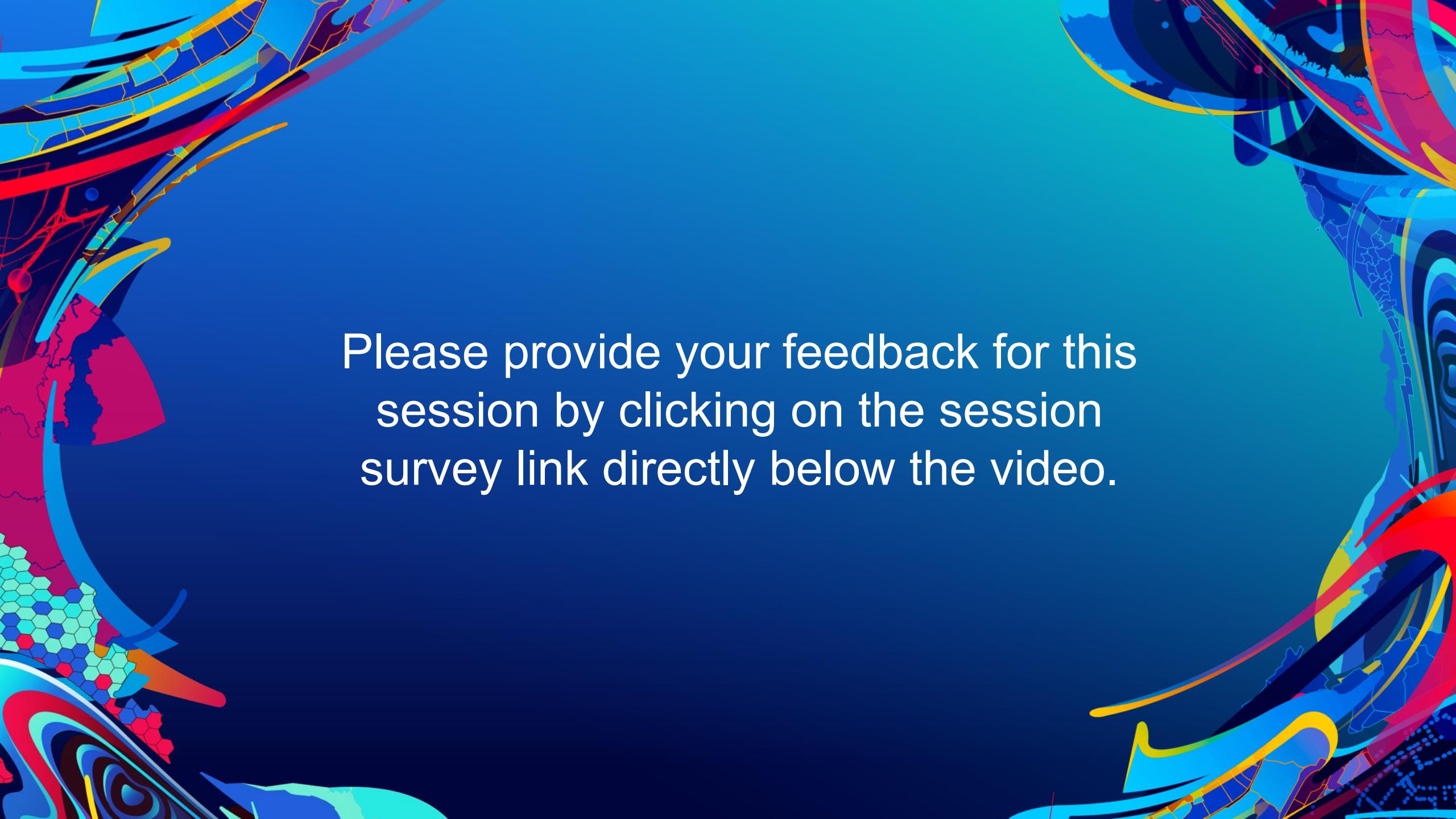
https://gis.data.ca.gov/datasets/e3802d2abf8741a187e73a9db49d68fe_0

In Summary

- **Time Visualizations Approaches:**
 - Smart mapping drawing styles
 - Animations with Time Slider
- **Lots of demos showing practical application of techniques**



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